Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

PRE-MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Pre-Measurement : 11.12.2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.							
	Rajeev Gandhi Nagar							
	RCC Drain							
	Main Road, LHS							
	Ch: 0 to 6.4m		1	6.40	1.20	0.90	6.91	
	Ch: 6.4 to 10.9m		1	4.50				
	Ch: 10.9 to 40.9m		1	30.00	1.20	0.90	32.40	
	Ch: 40.9 to 43.9m		1	3.00	1.20	0.90	3.24	
	Road Gap							
	Ch: 0 to 15.2m		1	15.20	1.20	0.90	16.42	
	Road Gap							
	Ch: 0 to 4.4m		1	4.40	1.20	0.90	4.75	
	Ch: 4.4 to 8.8m		1	4.40				
	Main Road, RHS							
	Ch: 0 to 5.1m		1	5.10	1.20	0.90	5.51	
	Ch: 5.1 to 7.4m		1	2.30				
	Ch: 7.4 to 22.8m		1	15.40	1.20	0.90	16.63	
	Road Gap							
	Ch: 0 to 3.5m		1	3.50	1.20	0.90	3.78	
	Ch: 3.5 to 10.8m		1	7.30	1.20	0.90	7.88	
	Ch: 10.8 to 40.8m		1	30.00	1.20	0.90	32.40	
	Ch: 40.8 to 42.1m		1	1.30	1.20	0.90	1.40	
	Ch: 42.1 to 51.1m		1	9.00				
	Road Gap							
	Ch: 0 to 14.5m		1	14.50	1.20	0.90	15.66	
	Cross Road 1, LHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 60m		1	30.00	1.20	0.90	32.40	
	Ch: 60 to 90m		1	30.00	1.20	0.90	32.40	
	Ch: 90 to 120m		1	30.00	1.20	0.90	32.40	
	Ch: 120 to 128m		1	8.00	1.20	0.90	8.64	
	Cross Road 1, RHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 60m		1	30.00	1.20	0.90	32.40	
	Ch: 60 to 90m		1	30.00	1.20	0.90	32.40	
	Ch: 90 to 118.4m		1	28.40	1.20	0.90	30.67	
	Cross Road 2, LHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 31.5m		1	1.50	1.20	0.90	1.62	
	Ch: 31.5 to 36.2m		1	4.70				
	Ch: 36.2 to 66.2m		1	30.00	1.20	0.90	32.40	
	Ch: 66.2 to 68.7m		1	2.50	1.20	0.90	2.70	C&FC

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 68.7 to 73.5m		1	4.80				
	Ch: 73.5 to 83m		1	9.50	1.20	0.90	10.26	
	Cross Road 2, RHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 56m		1	26.00	1.20	0.90	28.08	
	Ch: 56 to 66m		1	10.00				
	Ch:66 to 91.6m		1	25.60	1.20	0.90	27.65	
	Cross Road 3, LHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 35.6m		1	5.60	1.20	0.90	6.05	
	Ch: 35.6 to 38.6m		1	3.00	1.20	0.90	3.24	
	Ch: 38.6 to 68.6m		1	30.00	1.20	0.90	32.40	
	Ch: 68.6 to 73.9m		1	5.30	1.20	0.90	5.72	
	Ch: 73.9 to 75.6m		1	1.70				
	Ch: 75.6 to 78.7m		1	3.10	1.20	0.90	3.35	
	Cross Road 3, RHS From Mn Rd							
	Ch: 0 to 24.3m		1	24.30	1.20	0.90	26.24	
	Ch: 24.3 to 27.8m		1	3.50				
	Ch: 27.8 to 30.3m		1	2.50	1.20	0.90	3.78	
	Ch: 30.3 to 33.6m		1	3.30				
	Ch: 33.6 to 36.1m		1	3.10	1.20	0.90	3.56	
	Ch: 36.1 to 54.9m		1	18.20				
	Ch: 54.9 to 61.1m		1	6.20	1.20	0.90	19.66	
	Ch: 61.1 to 66.4m		1	5.30	1.20	0.90	6.70	
	Ch: 66.4 to 71m		1	4.60	1.20	0.90	5.72	
	Ch: 71 to 83m		1	12.00	1.20	0.90	4.97	
	Cross Road 4, LHS From Dead end							
	Ch: 0 to 22m		1	22.00	1.20	0.90	23.76	
	Cross Road 4, RHS From Mn Rd							
	Ch: 0 to 23.8m		1	23.80	1.20	0.90	25.70	
	Cross Road 5, LHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 33.5m		1	3.50	1.20	0.90	3.78	
	Cross Road 5, RHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 38m		1	8.00	1.20	0.90	8.64	
	Cross Road 6, LHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 35m		1	5.00	1.20	0.90	5.40	
	Cross Road 6, RHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 35m		1	5.00	1.20	0.90	5.40	
	Gap							
	Ch: 0 to 21m		1	21.00	1.20	1.00	25.20	
	Cross Road 7, RHS (3rd cross Rd)							
	Ch: 0 to 30m		1	30.00	1.20	0.90	32.40	
	Ch: 30 to 54.5m		1	24.50	1.20	0.90	26.46	
	SSM Drain Deslit							
	Cross Road-6, LHS (Culvert C)							
	Ch: 0 to 24m		1	24.00	0.40	0.40	3.84	
	Ch: 24 to 31.5m		1	7.50	0.40	0.40	1.20	C&F

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Culvert							
	Cr Rd -1		1	9.20	1.50	0.90	12.42	
	Cr Rd -2		1	8.30	1.50	0.90	11.21	
	Mn Rd (Cr Rd-A)		1	6.40	1.50	0.90	8.64	
	Mn Rd (Cr Rd-B)		1	8.20	1.50	0.90	11.07	
	Cr Rd -4		1	4.50	1.50	0.90	6.08	
	Cr Rd -5		1	4.70	1.50	0.90	6.35	
	Cr Rd -6		1	8.10	1.50	0.90	10.94	
	Cr Rd-C		1	6.90	1.50	0.90	9.32	
	Cr Rd -7		1	8.00	1.50	0.90	10.80	
						Present Qty	**1112.59**	**Cum**

Contractor

PMC

Assistant Engineer

11.11.2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

ಯಲಹಂಕ Executive Engineer,

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

11.11.2019

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Pre-Measurement : 6/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.							
	Rajeev Gandhi Nagar							
	RCC Drain							
	Main Road, LHS							
	Ch: 0 to 6.4m		1	6.40	1.20	0.15	1.15	
	Ch: 6.4 to 10.9m		1	4.50				
	Ch: 10.9 to 40.9m		1	30.00	1.20	0.15	5.40	
	Ch: 40.9 to 43.9m		1	3.00	1.20	0.15	0.54	
	Road Gap							
	Ch: 0 to 15.2m		1	15.20	1.20	0.15	2.74	
	Road Gap							
	Ch: 0 to 4.4m		1	4.40	1.20	0.15	0.79	
	Ch: 4.4 to 8.8m		1	4.40				
	Main Road, RHS							
	Ch: 0 to 5.1m		1	5.10	1.20	0.15	0.92	
	Ch: 5.1 to 7.4m		1	2.30				
	Ch: 7.4 to 22.8m		1	15.40	1.20	0.15	2.77	
	Road Gap							
	Ch: 0 to 3.5m		1	3.50	1.20	0.15	0.63	
	Ch: 3.5 to 10.8m		1	7.30	1.20	0.15	1.31	
	Ch: 10.8 to 40.8m		1	30.00	1.20	0.15	5.40	
	Ch: 40.8 to 42.1m		1	1.30	1.20	0.15	0.23	
	Ch: 42.1 to 51.1m		1	9.00				
	Road Gap							
	Ch: 0 to 14.5m		1	14.50	1.20	0.15	2.61	
	Cross Road 1, LHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 120m		1	30.00	1.20	0.15	5.40	
	Ch: 120 to 128m		1	8.00	1.20	0.15	1.44	
	Cross Road 1, RHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 60m		1	30.00	1.20	0.15	5.40	
	Ch: 60 to 90m		1	30.00	1.20	0.15	5.40	
	Ch: 90 to 118.4m		1	28.40	1.20	0.15	5.11	
	Cross Road 2, LHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 31.5m		1	1.50	1.20	0.15	0.27	
	Ch: 31.5 to 36.2m		1	4.70				
	Ch: 36.2 to 66.2m		1	30.00	1.20	0.15	5.40	

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 66.2 to 68.7m		1	2.50	1.20	0.15	0.45	
	Ch: 68.7 to 73.5m		1	4.80				
	Ch: 73.5 to 83m		1	9.50	1.20	0.15	1.71	
	Cross Road 2, RHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 56m		1	26.00	1.20	0.15	4.68	
	Ch: 56 to 66m		1	10.00				
	Ch:66 to 91.6m		1	25.60	1.20	0.15	4.61	
	Cross Road 3, LHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 35.6m		1	5.60	1.20	0.15	1.01	
	Ch: 35.6 to 38.6m		1	3.00	1.20	0.15	0.54	
	Ch: 38.6 to 68.6m		1	30.00	1.20	0.15	5.40	
	Ch: 68.6 to 73.9m		1	5.30	1.20	0.15	0.95	
	Ch: 73.9 to 75.6m		1	1.70				
	Ch: 75.6 to 78.7m		1	3.10	1.20	0.15	0.56	
	Cross Road 3, RHS From Mn Rd							
	Ch: 0 to 24.3m		1	24.30	1.20	0.15	4.37	
	Ch: 24.3 to 27.8m		1	3.50				
	Ch: 27.8 to 30.3m		1	2.50	1.20	0.15	0.63	
	Ch: 30.3 to 33.6m		1	3.30				
	Ch: 33.6 to 36.1m		1	3.10	1.20	0.15	0.59	
	Ch: 36.1 to 54.9m		1	18.20				
	Ch: 54.9 to 61.1m		1	6.20	1.20	0.15	1.28	
	Ch: 61.1 to 66.4m		1	5.30	1.20	0.15	1.12	
	Ch: 66.4 to 71m		1	4.60	1.20	0.15	0.95	
	Ch: 71 to 83m		1	12.00	1.20	0.15	0.83	
	Cross Road 4, LHS From Dead end							
	Ch: 0 to 22m		1	22.00	1.20	0.15	3.96	
	Cross Road 4, RHS From Mn Rd							
	Ch: 0 to 23.8m		1	23.80	1.20	0.15	4.28	
	Cross Road 5, LHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 33.5m		1	3.50	1.20	0.15	0.63	
	Cross Road 5, RHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 38m		1	8.00	1.20	0.15	1.44	
	Cross Road 6, LHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 35m		1	5.00	1.20	0.15	0.90	
	Cross Road 6, RHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 35m		1	5.00	1.20	0.15	0.90	
	Gap							
	Ch: 0 to 21m		1	21.00	1.20	0.15	3.78	
	Cross Road 7, RHS (3rd cross Rd)							
	Ch: 0 to 30m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 54.5m		1	24.50	1.20	0.15	4.41	
	Culvert							
	Cr Rd -1		1	9.20	1.50	0.10	1.38	
	Cr Rd -2		1	8.30	1.50	0.10	1.25	

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Mn Rd (Cr Rd-A)		1	6.40	1.50	0.15	1.44	
	Mn Rd (Cr Rd-B)		1	8.20	1.50	0.15	1.85	
	Cr Rd -4		1	4.50	1.50	0.15	1.01	
	Cr Rd -5		1	4.70	1.50	0.15	1.06	
	Cr Rd -6		1	8.10	1.50	0.15	1.82	
	Cr Rd-C		1	6.90	1.50	0.15	1.55	
	Cr Rd -7		1	8.00	1.50	0.15	1.80	
	For CC Road Platform							
	Nandini Parlour Road		1	10.30	4.80	0.20	9.89	
			1	30.00	4.00	0.20	24.00	
			1	26.30	3.40	0.20	17.88	
	Block A							
			1	14.40	4.50	0.20	12.96	
			1	14.60	3.50	0.20	10.22	
			1	6.20	2.50	0.20	3.10	
			1	7.20	1.70	0.20	2.45	
			1	5.60	5.20	0.20	5.82	
			1	25.00	2.80	0.20	14.00	
			1	23.00	4.30	0.20	19.78	
			1	11.60	1.30	0.20	3.02	
			1	11.50	1.30	0.20	2.99	
			1	13.50	11.50	0.20	31.05	
			1	4.60	1.50	0.20	1.38	
			1	4.60	1.50	0.20	1.38	
	Surround Flag Post		1	6.60	2.70	0.20	3.56	
			1	5.50	2.00	0.20	2.20	
			1	5.50	0.80	0.20	0.88	
			1	6.60	2.80	0.20	3.70	
	Block D		1	30.00	1.50	0.20	9.00	
			1	2.00	1.50	0.20	0.60	
			1	14.00	9.00	0.20	25.20	
			1	6.20	1.60	0.20	1.98	
			1	6.20	1.60	0.20	1.98	
			1	6.20	1.60	0.20	1.98	
			1	6.20	1.60	0.20	1.98	
	Block E		1	13.50	11.50	0.20	31.05	
			1	4.60	1.50	0.20	1.38	
			1	4.60	1.50	0.20	1.38	
			1	4.60	1.50	0.20	1.38	
			1	4.60	1.50	0.20	1.38	
			1	11.00	1.00	0.20	2.20	
			1	6.50	2.30	0.20	2.99	
			1	11.50	1.00	0.20	2.30	
			1	7.20	2.60	0.20	3.74	
			1	23.00	2.50	0.20	11.50	
			1	7.20	5.50	0.20	7.92	
			1	7.20	2.00	0.20	2.88	
			1	24.00	9.50	0.20	45.60	
	Block F		1	-10.80	4.00	0.20	-8.64	
			1	11.30	1.50	0.20	3.39	
			1	7.30	4.00	0.20	5.84	

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
			1	17.60	2.20	0.20	5.10	
			1	8.00	1.80	0.20	2.88	
			1	23.00	0.50	0.20	2.30	
			1	6.30	2.40	0.20	3.02	
			1	11.70	1.40	0.20	3.28	
			1	6.50	3.20	0.20	4.16	
			1	11.60	1.30	0.20	3.02	
						Present Qty	535.91	Cum

C&FC

Contractor

CITIZEN CONSULTANT BANGALORE PMC

Assistant Engineer

Asst. Executive Engineer,

6/12/2019

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Pre-Measurement : 11/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.							
	Rajeev Gandhi Nagar							
	SSM Drain Bed concrete							
	Cross Road-6, LHS (Culvert C)							
	Ch: 0 to 24m		2	24.00	0.45	0.15	3.24	
	Ch: 24 to 31.5m		2	7.50	0.45	0.15	1.01	
	SSM Drain Coping							
	Cross Road-6, LHS (Culvert C)							
	Ch: 0 to 24m		2	24.00	0.45	0.10	2.16	
	Ch: 24 to 31.5m		2	7.50	0.45	0.10	0.68	
	SSM Drain Vent concrete							
	Cross Road-6, LHS (Culvert C)							
	Ch: 0 to 24m		1	24.00	0.50	0.15	1.80	cum
	Ch: 24 to 31.5m		1	7.50	0.50	0.15	0.56	
						Present Qty	**9.45**	**Cum**

Contractor

PMC

Assistant Engineer

11/12/2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer

11/12/2019

11/12/2019

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Pre-Measurement : 13/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.							
	Rajeev Gandhi Nagar							
	SSM Drain Flagging							
	Cross Road-6, LHS (Culvert C)							
	Ch: 0 to 24m		2	24.00	0.45	0.20	4.32	
	Ch: 24 to 31.5m		2	7.50	0.45	0.20	1.35	
						Present Qty	**5.67**	**Cum**

C/F-C

Contractor

PMC

Assistant Engineer

13/12/2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106
Asst. Executive Engineer

13/12/2019

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 66.2 to 68.7m		1	2.50	1.10	0.15	0.41	
	Ch: 68.7 to 73.5m		1	4.80				
	Ch: 73.5 to 83m		1	9.50	1.10	0.15	1.57	
	Cross Road 2, RHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 56m		1	26.00	1.10	0.15	4.29	
	Ch: 56 to 66m		1	10.00				
	Ch:66 to 91.6m		1	25.60	1.10	0.15	4.22	
	Cross Road 3, LHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 35.6m		1	5.60	1.10	0.15	0.92	
	Ch: 35.6 to 38.6m		1	3.00	1.10	0.15	0.50	
	Ch: 38.6 to 68.6m		1	30.00	1.10	0.15	4.95	
	Ch: 68.6 to 73.9m		1	5.30	1.10	0.15	0.87	
	Ch: 73.9 to 75.6m		1	1.70				
	Ch: 75.6 to 78.7m		1	3.10	1.10	0.15	0.51	
	Cross Road 3, RHS From Mn Rd							
	Ch: 0 to 24.3m		1	24.30	1.10	0.15	4.01	
	Ch: 24.3 to 27.8m		1	3.50				
	Ch: 27.8 to 30.3m		1	2.50	1.10	0.15	0.58	
	Ch: 30.3 to 33.6m		1	3.30				
	Ch: 33.6 to 36.1m		1	3.10	1.10	0.15	0.54	
	Ch: 36.1 to 54.9m		1	18.20				
	Ch: 54.9 to 61.1m		1	6.20	1.10	0.15	3.00	
	Ch: 61.1 to 66.4m		1	5.30	1.10	0.15	1.02	
	Ch: 66.4 to 71m		1	4.60	1.10	0.15	0.87	
	Ch: 71 to 83m		1	12.00	1.10	0.15	0.76	
	Cross Road 4, LHS From Dead end							
	Ch: 0 to 22m		1	22.00	1.10	0.15	3.63	
	Cross Road 4, RHS From Mn Rd							
	Ch: 0 to 23.8m		1	23.80	1.10	0.15	3.93	
	Cross Road 5, LHS From Dead end							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 33.5m		1	3.50	1.10	0.15	0.58	
	Cross Road 5, RHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 38m		1	8.00	1.10	0.15	1.32	
	Cross Road 6, LHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 35m		1	5.00	1.10	0.15	0.83	
	Cross Road 6, RHS From Mn Rd							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 35m		1	5.00	1.10	0.15	0.83	
	Gap							
	Ch: 0 to 21m		1	21.00	1.10	0.15	3.47	
	Cross Road 7, RHS (3rd cross Rd)							
	Ch: 0 to 30m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 54.5m		1	24.50	1.10	0.15	4.04	
	Wall							
	Main Road, LHS							
	Ch: 0 to 6.4m		2	6.40	0.15	0.60	1.15	

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 6.4 to 10.9m		2	4.50				
	Ch: 10.9 to 40.9m		2	30.00	0.15	0.60	5.40	
	Ch: 40.9 to 43.9m		2	3.00	0.15	0.60	0.54	
	Road Gap							
	Ch: 0 to 15.2m		2	15.20	0.15	0.60	2.74	
	Road Gap							
	Ch: 0 to 4.4m		2	4.40	0.15	0.60	0.79	
	Ch: 4.4 to 8.8m		2	4.40				
	Main Road, RHS							
	Ch: 0 to 5.1m		2	5.10	0.15	0.60	0.92	
	Ch: 5.1 to 7.4m		2	2.30				
	Ch: 7.4 to 22.8m		2	15.40	0.15	0.60	2.77	
	Road Gap							
	Ch: 0 to 3.5m		2	3.50	0.15	0.60	0.63	
	Ch: 3.5 to 10.8m		2	7.30	0.15	0.60	1.31	
	Ch: 10.8 to 40.8m		2	30.00	0.15	0.60	5.40	
	Ch: 40.8 to 42.1m		2	1.30	0.15	0.60	0.23	
	Ch: 42.1 to 51.1m		2	9.00				
	Road Gap							
	Ch: 0 to 14.5m		2	14.50	0.15	0.60	2.61	
	Cross Road 1, LHS From Mn Rd							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
	Ch: 60 to 90m		2	30.00	0.15	0.60	5.40	
	Ch: 90 to 120m		2	30.00	0.15	0.60	5.40	
	Ch: 120 to 128m		2	8.00	0.15	0.60	1.44	
	Cross Road 1, RHS From Dead end							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 60m		2	30.00	0.15	0.60	5.40	
	Ch: 60 to 90m		2	30.00	0.15	0.60	5.40	
	Ch: 90 to 118.4m		2	28.40	0.15	0.60	5.11	
	Cross Road 2, LHS From Mn Rd							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 31.5m		2	1.50	0.15	0.60	0.27	
	Ch: 31.5 to 36.2m		2	4.70				
	Ch: 36.2 to 66.2m		2	30.00	0.15	0.60	5.40	
	Ch: 66.2 to 68.7m		2	2.50	0.15	0.60	0.45	
	Ch: 68.7 to 73.5m		2	4.80				
	Ch: 73.5 to 83m		2	9.50	0.15	0.60	1.71	
	Cross Road 2, RHS From Dead end							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 56m		2	26.00	0.15	0.60	4.68	
	Ch: 56 to 66m		2	10.00				
	Ch:66 to 91.6m		2	25.60	0.15	0.60	4.61	
	Cross Road 3, LHS From Dead end							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 35.6m		2	5.60	0.15	0.60	1.01	
	Ch: 35.6 to 38.6m		2	3.00	0.15	0.60	0.54	
	Ch: 38.6 to 68.6m		2	30.00	0.15	0.60	5.40	
	Ch: 68.6 to 73.9m		2	5.30	0.15	0.60	0.95	
	Ch: 73.9 to 75.6m		2	1.70				

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch: 75.6 to 78.7m		2	3.10	0.15	0.60	0.56	
	Cross Road 3, RHS From Mn Rd							
	Ch: 0 to 24.3m		2	24.30	0.15	0.60	4.37	
	Ch: 24.3 to 27.8m		2	3.50				
	Ch: 27.8 to 30.3m		2	2.50	0.15	0.60	0.63	
	Ch: 30.3 to 33.6m		2	3.30				
	Ch: 33.6 to 36.1m		2	3.10	0.15	0.60	0.59	
	Ch: 36.1 to 54.9m		2	18.20				
	Ch: 54.9 to 61.1m		2	6.20	0.15	0.60	3.28	
	Ch: 61.1 to 66.4m		2	5.30	0.15	0.60	1.12	
	Ch: 66.4 to 71m		2	4.60	0.15	0.60	0.95	
	Ch: 71 to 83m		2	12.00	0.15	0.60	0.83	
	Cross Road 4, LHS From Dead end							
	Ch: 0 to 22m		2	22.00	0.15	0.60	3.96	
	Cross Road 4, RHS From Mn Rd							
	Ch: 0 to 23.8m		2	23.80	0.15	0.60	4.28	
	Cross Road 5, LHS From Dead end							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 33.5m		2	3.50	0.15	0.60	0.63	
	Cross Road 5, RHS From Mn Rd							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 38m		2	8.00	0.15	0.60	1.44	
	Cross Road 6, LHS From Mn Rd							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 35m		2	5.00	0.15	0.60	0.90	
	Cross Road 6, RHS From Mn Rd							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 35m		2	5.00	0.15	0.60	0.90	
	Gap							
	Ch: 0 to 21m		2	21.00	0.18	0.80	5.88	
	Cross Road 7, RHS (3rd cross Rd)							
	Ch: 0 to 30m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 54.5m		2	24.50	0.18	0.60	4.41	
	Culvert Raft							
	Cr Rd -1		1	9.20	1.30	0.23	2.75	
	Cr Rd -2		1	8.30	1.30	0.23	2.48	
	Mn Rd (Cr Rd-A)		1	6.40	1.30	0.23	1.91	
	Mn Rd (Cr Rd-B)		1	8.20	1.30	0.23	2.45	
	Cr Rd -4		1	4.50	1.30	0.23	1.35	
	Cr Rd -5		1	4.70	1.30	0.23	1.41	
	Cr Rd -6		1	8.10	1.30	0.23	2.42	
	Cr Rd-C		1	6.90	1.30	0.23	2.06	
	Cr Rd -7		1	8.00	1.30	0.23	2.39	
	Culvert Wall							
	Cr Rd -1		2	9.20	0.23	0.60	2.54	
	Cr Rd -2		2	8.30	0.23	0.60	2.29	
	Mn Rd (Cr Rd-A)		2	6.40	0.23	0.60	1.77	
	Mn Rd (Cr Rd-B)		2	8.20	0.23	0.60	2.26	
	Cr Rd -4		2	4.50	0.23	0.60	1.24	
	Cr Rd -5		2	4.70	0.23	0.60	1.30	
	Cr Rd -6		2	8.10	0.23	0.60	2.24	CUM

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Cr Rd-C		2	6.90	0.23	0.60	1.90	
	Cr Rd -7		2	8.00	0.23	0.60	2.21	
							Present Qty	**364.34**	**Cum**

Contractor

PMC NEWZEN CONSULTANT * BANGALORE *

Assistant Engineer

16/12/20.19

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪವಿಭಾಗ, ಬಿಬಿಎಂಪಿ.
Asst. Executive Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Pre-Measurement : 16/12/2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
6	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of							
	Rajeev Gandhi Nagar							
	Main Road, LHS							
	Total Drain length=59.0m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=590.00Nos		590	2.10		0.61	755.79	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	59.00		0.61	683.81	
	Main Road, RHS							
	Total Drain length=77.1m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=771.00Nos		771	2.10		0.61	987.65	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	77.10		0.61	893.59	
	Cross Road 1, LHS From Mn Rd							
	Total Drain length=128m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1280.00Nos		1280	2.10		0.61	1639.68	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	128.00		0.61	1483.52	
	Cross Road 1, RHS From Dead end							
	Total Drain length=118.4m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1184.00Nos		1184	2.10		0.61	1516.70	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	118.40		0.61	1372.26	
	Cross Road 2, LHS From Mn Rd							
	Total Drain length=73.5m							

JC&PC

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=735.00Nos		735	2.10		0.61	941.54	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	73.40		0.61	850.71	
	Cross Road 2, RHS From Dead end							
	Total Drain length=81.6m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=816.00Nos		816	2.10		0.61	1045.30	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	81.60		0.61	945.74	
	Cross Road 3, LHS From Dead end							
	Total Drain length=77m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=770.00Nos		770	2.10		0.61	986.37	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	77.00		0.61	892.43	
	Cross Road 3, RHS From Mn Rd							
	Total Drain length=58m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=580.00Nos		580	2.10		0.61	742.98	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	58.00		0.61	672.22	
	Cross Road 4, LHS From Dead end							
	Total Drain length=22m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=220.00Nos		220	2.10		0.61	281.82	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	22.00		0.61	254.98	
	Cross Road 4, RHS From Mn Rd							
	Total Drain length=23.8m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	No of U-bar=238.00Nos		238	2.10		0.61	304.88	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	23.80		0.61	275.84	
	Cross Road 5, LHS From Dead end							
	Total Drain length=33.5m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=335.00Nos		335	2.10		0.61	429.14	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	33.50		0.61	388.27	
	Cross Road 5, RHS From Mn Rd							
	Total Drain length=38m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=380.00Nos		380	2.10		0.61	486.78	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	38.00		0.61	440.42	
	Cross Road 6, LHS From Mn Rd							
	Total Drain length=35m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=350.00Nos		350	2.10		0.61	448.35	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	35.00		0.61	405.65	
	Cross Road 6, RHS From Mn Rd							
	Total Drain length=56m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=560.00Nos		560	2.10		0.61	717.36	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	56.00		0.61	649.04	
	Cross Road 7, RHS (3rd cross Rd)							
	Total Drain length=54.5m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=545.00Nos		545	2.10		0.61	698.15	
	Distribution bar							

CBFC

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	54.50		0.61	631.66	
	Culvert							
	Total Drain length=64.30m							
	Main bar 12mm dia bar @ 100mm							
	0.89kg/mtr, double mat							
	No of U-bar=1286.00Nos		1286	2.20		0.89	2517.99	
	Distribution bar							
	Distribution bar 10mm dia @ 130mm							
	0.61kg/mtr, double mat		32	64.30		0.61	1255.14	
							26595.73	
						Present Qty	**26.60**	**Ton**

Contractor

PMC

Assistant Engineer

16/12/2019

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106
Asst. Executive Engineer,

16/12/2019

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Pre-Measurement : 17.12.2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
9	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.							
	Rajeev Gandhi Nagar							
	For CC Road Platform							
	Nandini Parlour Road		1	10.30	4.80	0.25	12.36	
			1	30.00	4.00	0.25	30.00	
			1	26.30	3.40	0.25	22.36	
	Block A							
			1	14.40	4.50	0.25	16.20	
			1	14.60	3.50	0.25	12.78	
			1	6.20	2.50	0.25	3.88	
			1	7.20	1.70	0.25	3.06	
			1	5.60	5.20	0.25	7.28	
			1	25.00	2.80	0.25	17.50	
			1	23.00	4.30	0.25	24.73	
			1	11.60	1.30	0.25	3.77	
			1	11.50	1.30	0.25	3.74	
			1	13.50	11.50	0.25	38.81	
			1	4.60	1.50	0.25	1.73	
	Surround Flag Post		1	4.60	1.50	0.25	1.73	
			1	6.60	2.70	0.25	4.46	
			1	5.50	2.00	0.25	2.75	
			1	5.50	0.80	0.25	1.10	
	Block D		1	6.60	2.80	0.25	4.62	
			1	30.00	1.50	0.25	11.25	
			1	2.00	1.50	0.25	0.75	
			1	14.00	9.00	0.25	31.50	
			1	6.20	1.60	0.25	2.48	
			1	6.20	1.60	0.25	2.48	
			1	6.20	1.60	0.25	2.48	
	Block E		1	6.20	1.60	0.25	2.48	
			1	13.50	11.50	0.25	38.81	
			1	4.60	1.50	0.25	1.73	
			1	4.60	1.50	0.25	1.75	
			1	4.60	1.50	0.25	1.73	
			1	4.60	1.50	0.25	1.73	
			1	11.00	1.00	0.25	2.75	
			1	6.50	2.30	0.25	3.74	
			1	11.50	1.00	0.25	2.88	
			1	7.20	2.60	0.25	4.68	
			1	23.00	2.50	0.25	14.38	
			1	7.20	5.50	0.25	9.90	
			1	7.20	2.00	0.25	3.60	CMF

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
			1	24.00	9.50	0.25	57.00	
			1	-10.80	4.00	0.25	-10.80	
	Block F		1	11.30	1.50	0.25	4.24	
			1	7.30	4.00	0.25	7.30	
			1	11.60	2.20	0.25	6.38	
			1	8.00	1.80	0.25	3.60	
			1	23.00	0.50	0.25	2.88	
			1	6.30	2.40	0.25	3.78	
			1	11.70	1.40	0.25	4.10	
			1	6.50	3.20	0.25	5.20	
			1	11.60	1.30	0.25	3.77	c.u.f.c
						Present Qty	**441.31**	**Cum**

Contractor

PMC CONSULTANT NEMIZEN BANGALORE

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು/ಮಾಂ
ಯಲಹಂಕ Assistant Executive Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

17.1.2020

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Pre-Measurement : 20/1/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
12	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.							
	Vishwanagar Nagar							
	Footpath							
	3rd cross, RHS From Dead end		1	30.00	1.40	0.25	10.50	
			1	30.00	1.90	0.25	14.25	
			1	30.00	2.10	0.25	15.75	
			1	30.00	2.00	0.25	15.00	
			1	8.00	2.00	0.25	4.00	
						Present Qty	**59.50**	**Cum**

Contractor

PMC CONSULTANT * BANGALORE *

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಬಿ ಬಿ ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer

20/1/2020

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Pre-Measurement : 4/2/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.									
	Pre-measurement sheet no 1 to 3						1112.59			
						Present Qty	**1112.59**	**Cum**	**215.28**	**239518.16**
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form									
	Pre-measurement sheet no 4 to 7						535.91			
						Present Qty	**535.91**	**Cum**	**5421.90**	**2905645.01**
3	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing									
	Pre-measurement sheet no 8						9.45			
						Present Qty	**9.45**	**Cum**	**5768.52**	**54512.51**
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No-13,I No-5.9)									
	Pre-measurement sheet no 9						5.67			
						Present Qty	**5.67**	**Cum**	**5811.98**	**32953.93**
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc , complete execluding cost of steel									
	Pre-measurement sheet no 10 to 14						364.34			
						Present Qty	**364.34**	**Cum**	**7070.20**	**2575946.06**
6	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of									
	Pre-measurement sheet no 15 to 18						26.60			
						Present Qty	**26.60**	**Ton**	**73992.24**	**1967877.27**

Contractor

NEW CONSULTANT * BANGALORE * PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Executive Engineer

4/2/2020

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Measurement : 4/2/2020

Detailed Measurements

Item No	Description of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
7	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.									
	Rajeev Gandhi Nagar									
	RCC Drain									
	Main Road, LHS									
	Ch: 0 to 6.4m		1	6.40	0.90		5.76			
	Ch: 6.4 to 10.9m		1	4.50						
	Ch: 10.9 to 40.9m		1	30.00	0.90		27.00			
	Ch: 40.9 to 43.9m		1	3.00	0.90		2.70			
	Road Gap									
	Ch: 0 to 15.2m		1	15.20	0.90		13.68			
	Road Gap									
	Ch: 0 to 4.4m		1	4.40	0.90		3.96			
	Ch: 4.4 to 8.8m		1	4.40						
	Main Road, RHS									
	Ch: 0 to 5.1m		1	5.10	0.90		4.59			
	Ch: 5.1 to 7.4m		1	2.30						
	Ch: 7.4 to 22.8m		1	15.40	0.90		13.86			
	Road Gap									
	Ch: 0 to 3.5m		1	3.50	0.90		3.15			
	Ch: 3.5 to 10.8m		1	7.30			0.00			
	Ch: 10.8 to 40.8m		1	30.00	0.90		27.00			
	Ch: 40.8 to 42.1m		1	1.30	0.90		1.17			
	Ch: 42.1 to 51.1m		1	9.00						
	Road Gap									
	Ch: 0 to 14.5m		1	14.50	0.90		13.05			
	Cross Road 1, LHS From Mn Rd									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 60m		1	30.00	0.90		27.00			
	Ch: 60 to 90m		1	30.00	0.90		27.00			
	Ch: 90 to 120m		1	30.00	0.90		27.00			
	Ch: 120 to 128m		1	8.00	0.90		7.20			
	Cross Road 1, RHS From Dead end									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 60m		1	30.00	0.90		27.00			
	Ch: 60 to 90m		1	30.00	0.90		27.00			
	Ch: 90 to 118.4m		1	28.40	0.90		25.56			
	Cross Road 2, LHS From Mn Rd									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 31.5m		1	1.50	0.90		1.35			
	Ch: 31.5 to 36.2m		1	4.70						
	Ch: 36.2 to 66.2m		1	30.00	0.90		27.00			
	Ch: 66.2 to 68.7m		1	2.50	0.90		2.25			
	Ch: 68.7 to 73.5m		1	4.80						
	Ch: 73.5 to 83m		1	9.50	0.90		8.55			
	Cross Road 2, RHS From Dead end									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 56m		1	26.00	0.90		23.40			
	Ch: 56 to 66m		1	10.00						
	Ch:66 to 91.6m		1	25.60	0.90		23.04			
	Cross Road 3, LHS From Dead end									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 35.6m		1	5.60	0.90		5.04			
	Ch: 35.6 to 38.6m		1	3.00			0.00			

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka

m o	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Ch: 38.6 to 68.6m		1	30.00	0.90		27.00			
	Ch: 68.6 to 73.9m		1	5.30	0.90		4.77			
	Ch: 73.9 to 75.6m		1	1.70						
	Ch: 75.6 to 78.7m		1	3.10	0.90		2.79			
	Cross Road 3, RHS From Mn Rd									
	Ch: 0 to 24.3m		1	24.30	0.90		21.87			
	Ch: 24.3 to 27.8m		1	3.50						
	Ch: 27.8 to 30.3m		1	2.50	0.90		2.25			
	Ch: 30.3 to 33.6m		1	3.30						
	Ch: 33.6 to 36.1m		1	3.10	0.90		2.79			
	Ch: 36.1 to 54.9m		1	18.20						
	Ch: 54.9 to 61.1m		1	6.20	0.90		5.58			
	Ch: 61.1 to 66.4m		1	5.30			0.00			
	Ch: 66.4 to 71m		1	4.60	0.90		4.14			
	Ch: 71 to 83m		1	12.00	0.90		10.80			
	Cross Road 4, LHS From Dead end									
	Ch: 0 to 22m		1	22.00	0.90		19.80			
	Cross Road 4, RHS From Mn Rd									
	Ch: 0 to 23.8m		1	23.80	0.90		21.42			
	Cross Road 5, LHS From Dead end									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 33.5m		1	3.50	0.90		3.15			
	Cross Road 5, RHS From Mn Rd									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 38m		1	8.00	0.90		7.20			
	Cross Road 6, LHS From Mn Rd									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 35m		1	5.00	0.90		4.50			
	Cross Road 6, RHS From Mn Rd									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 35m		1	5.00	0.90		4.50			
	Gap									
	Ch: 0 to 21m		1	21.00	0.90		18.90			
	Cross Road 7, RHS (3rd cross Rd)									
	Ch: 0 to 30m		1	30.00	0.90		27.00			
	Ch: 30 to 54.5m		1	24.50	0.90		22.05			
	SSM Drain Flagging									
	Cross Road-6, LHS (Culvert C)									
	Ch: 0 to 24m		1	24.00	1.20		28.80			
	Ch: 24 to 31.5m		1	7.50	1.20		9.00			
						Present Qty	**865.62**	**Sqm**	**2337.00**	**2022953.94**

Contractor

PMC CONSULTANT BANGALORE

Assistant Engineer

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka Division

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು-106

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Measurement : 4/2/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
8	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.									
	Rajeev Gandhi Nagar									
	Culvert									
	Cr Rd -1		1	9.20	1.20		11.04			
	Cr Rd -2		1	8.30	1.20		9.96			
	Mn Rd (Cr Rd-A)		1	6.40	1.20		7.68			
	Mn Rd (Cr Rd-B)		1	8.20	1.20		9.84			
	Cr Rd -4		1	4.50	1.20		5.40			
	Cr Rd -5		1	4.70	1.20		5.64			
	Cr Rd -6		1	8.10	1.20		9.72			
	Cr Rd-C		1	6.90	1.20		8.28			
	Cr Rd -7		1	8.00	1.20		9.60			
						Present Qty	77.16	Sqm	5418.00	418052.88

Contractor

PMC

NAZEEN CONSULTANT * BANGALORE *

Assistant Engineer

4/2/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು/2020

ಯೋಜಕರಿಂದ ಅಧಿಕಾರಿಗಳು ಉಪವಿಭಾಗ

ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Executive Engineer

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Pre-Measurement : 4/2/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
9	KSRRB M200-24 Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.									
	Pre-measurement sheet no 19 to 20						441.31			
						Present Qty	**441.31**	**Cum**	**973.42**	**429582.41**

Contractor

PMC NEW ZEN CONSULTANT * BANGALORE *

Assistant Engineer

Asst. Executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106
4/2/2020

4/02/2020

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Measurement : 24/2/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
10	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS 383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a									
	Rajeev Gandhi Nagar									
	For CC Road Platform									
	Nandini Parlour Road		1	10.20	4.80	0.15	7.42			
			1	30.00	4.00	0.15	18.00			
			1	26.30	3.40	0.15	13.41			
	Block A									
			1	14.40	4.50	0.15	9.72			
			1	14.60	3.50	0.15	7.67			
			1	6.20	2.50	0.15	2.33			
			1	7.20	1.70	0.15	1.84			
			1	5.60	5.20	0.15	4.37			
			1	25.00	2.80	0.15	10.50			
			1	23.00	4.30	0.15	14.84			
			1	11.60	1.30	0.15	2.26			
			1	11.50	1.30	0.15	2.24			
			1	13.50	11.50	0.15	23.29			
			1	4.60	1.50	0.15	1.04			
	Surround Flag Post		1	4.60	1.50	0.15	1.04			
			1	6.60	2.70	0.15	2.67			
			1	5.50	2.00	0.15	1.65			
			1	5.50	0.80	0.15	0.66			
	Block D		1	6.60	2.80	0.15	2.77			
			1	30.00	1.50	0.15	6.75			
			1	2.00	1.50	0.15	0.45			
			1	14.00	9.00	0.15	18.90			
			1	6.20	1.60	0.15	1.49			
			1	6.20	1.60	0.15	1.49			
			1	6.20	1.60	0.15	1.49			
	Block E		1	6.20	1.60	0.15	1.49			
			1	13.50	11.50	0.15	23.29			
			1	4.60	1.50	0.15	1.04			
			1	4.60	1.50	0.15	1.04			
			1	4.60	1.50	0.15	1.04			
			1	4.60	1.50	0.15	1.04			
			1	11.00	1.00	0.15	1.04			
			1	6.50	2.30	0.15	1.65			
			1	11.50	1.00	0.15	2.24			
			1	7.20	2.60	0.15	1.73			
			1	23.00	2.50	0.15	2.81			
			1	7.20	5.50	0.15	8.63			
			1	7.20	2.00	0.15	5.94			
	Block F		1	24.00	9.80	0.15	2.16			
			1	-10.80	4.00	0.15	34.20			
			1	11.30	1.50	0.15	-6.48			
			1	7.30	4.00	0.15	2.54			
			1	11.60	2.20	0.15	4.38			
			1	8.00	1.80	0.15	3.83			
			1	23.00	0.50	0.15	2.16			
			1	6.30	2.40	0.15	1.73			
			1	11.70	1.40	0.15	2.27			
							2.46			

m o	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
			1	6.50	3.20	0.15	3.12			
			1	11.60	1.30	0.15	2.26			
						Present Qty	264.79	Cum	5210.96	1379797.07

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

24/2/2020

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Measurement : 24/2/2020.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
11	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floating disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and disc etc. with all lead and lift.									
	Rajeev Gandhi Nagar									
	For CC Road Platform									
	Nandini Parlour Road		1	10.30	4.80		49.44			
			1	30.00	4.00		120.00			
			1	26.30	3.40		89.42			
	Block A									
			1	14.40	4.50		64.80			
			1	14.60	3.50		51.10			
			1	6.20	2.50		15.50			
			1	7.20	1.70		12.24			
			1	5.60	5.20		29.12			
			1	25.00	2.80		70.00			
			1	23.00	4.30		98.90			
			1	11.60	1.30		15.08			
			1	11.50	1.30		14.95			
			1	13.50	11.50		155.25			
			1	4.60	1.50		6.90			
			1	4.60	1.50		6.90			
	Servant Flag Post		1	6.60	2.70		17.82			
			1	5.50	2.00		11.00			
			1	5.50	0.80		4.40			
	Block D		1	6.60	2.80		18.48			
			1	30.00	1.50		45.00			
			1	2.00	1.50		3.00			
			1	14.00	9.00		126.00			
			1	6.20	1.60		9.92			
			1	6.20	1.60		9.92			
			1	6.20	1.60		9.92			
			1	6.20	1.60		9.92			
	Block E		1	13.50	11.50		155.25			
			1	4.60	1.50		6.90			
			1	4.60	1.50		6.90			
			1	4.60	1.50		6.90			
			1	4.60	1.50		6.90			
			1	11.00	1.00		11.00			
			1	6.50	2.30		14.95			
			1	11.50	1.00		11.50			
			1	7.20	2.60		18.72			
			1	23.00	2.50		57.50			
			1	7.20	5.50		39.60			
			1	7.20	2.00		14.40			
			1	24.00	9.50		228.00			
	Block F		1	-10.80	4.00		-43.20			
			1	11.30	1.50		16.95			
			1	7.30	4.00		29.20			
			1	11.60	2.20		25.52			
			1	8.00	1.80		14.40			
			1	23.00	0.50		11.50			
			1	6.30	2.40		15.12			

C&FC

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
			1	11.70	1.40		16.38			
			1	6.50	3.20		20.80			
			1	11.60	1.30		15.08			
						Present Qty	1765.25	Sqm	72.08	127239.22

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

4/12/2020.

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03										
Date of Pre-Measurement : 5/2/2020										
Detailed Measurements										
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
12	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.									
	Pre-measurement sheet no 21						59.50			
						Present Qty	**59.50**	**Cum**	**344.50**	**20497.75**

Contractor

PMC NEWZEN CONSULTANT BANGALORE

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ Executive Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

5/2/2020

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Measurement : 5/2/2020

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
13	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand									
	Vishwanagar Nagar									
	Footpath									
	3rd cross, RHS From Dead end		1	30.00	1.40		42.00			
			1	30.00	1.90		57.00			
			1	30.00	2.10		63.00			
			1	30.00	2.00		60.00			
			1	8.00	2.00		16.00			
						Present Qty	**238.00**	**Sqm**	**1116.18**	**265650.84**

Contractor

PMC

Assistant Engineer

5/2/2020

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Measurement : 6/2/2020

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete.									
	Rajeev Gandhi Nagar									
	Main Road, LHS									
	Ch: 0 to 6.4m									
	Ch: 6.4 to 10.9m		1	6.40	0.20		14.00			
	Ch: 10.9 to 40.9m		1	4.50						
	Ch: 40.9 to 43.9m		1	30.00	0.20		67.00			
	Road Gap		1	3.00	0.20		7.00			
	Ch: 0 to 15.2m									
	Road Gap		1	15.20	0.20		34.00			
	Ch: 0 to 4.4m									
	Ch: 4.4 to 8.8m		1	4.40	0.20		10.00			
	Main Road, RHS		1	4.40						
	Ch: 0 to 5.1m									
	Ch: 5.1 to 7.4m		1	5.10	0.20		11.00			
	Ch: 7.4 to 22.8m		1	2.30						
	Road Gap		1	15.40	0.20		34.00			
	Ch: 0 to 3.5m									
	Ch: 3.5 to 10.8m		1	3.50	0.20		8.00			
	Ch: 10.8 to 40.8m		1	7.30	0.20		16.00			
	Ch: 40.8 to 42.1m		1	30.00	0.20		67.00			
	Ch: 42.1 to 51.1m		1	1.30	0.20		3.00			
	Road Gap		1	9.00						
	Ch: 0 to 14.5m		1	14.50	0.20		32.00			
	Cross Road 6, LHS From Mn Rd									
	Ch: 0 to 30m		1	30.00	0.20		67.00			
	Ch: 30 to 35m		1	5.00	0.20		11.00			
	Cross Road 6, RHS From Mn Rd									
	Ch: 0 to 30m		1	30.00	0.20		67.00			
	Ch: 30 to 35m		1	5.00	0.20		11.00			
	Gap									
	Ch: 0 to 21m		1	21.00	0.20		47.00	C/F.C		
						Present Qty	**506.00**	**Nos**		
						Limitted To	**502.00**	**Nos**	**432.48**	**217104.96**

Contractor

NEW ZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

6/2/2020

Asst. Executive Engineer

Name of Work: Improvements to roads and construction of RCC drains at Vishwanagar and surrounding areas in Ward No. 03

Date of Measurement : 6/2/2020.

Item No	Description of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.									
	Rajeev Gandhi Nagar									
	Main Road, LHS									
	Ch: 0 to 6.4m									
	Ch: 6.4 to 10.9m		1	6.40		0.35	2.24			
	Ch: 10.9 to 40.9m		1	4.50						
	Ch: 40.9 to 43.9m		1	30.00		0.35	10.50			
	Road Gap		1	3.00		0.35	1.05			
	Ch: 0 to 15.2m									
	Road Gap		1	15.20		0.35	5.32			
	Ch: 0 to 4.4m									
	Ch: 4.4 to 8.8m		1	4.40		0.35	1.54			
	Main Road, RHS		1	4.40						
	Ch: 0 to 5.1m									
	Ch: 5.1 to 7.4m		1	5.10		0.35	1.79			
	Ch: 7.4 to 22.8m		1	2.30						
	Road Gap		1	15.40		0.35	5.39			
	Ch: 0 to 3.5m									
	Ch: 3.5 to 10.8m		1	3.50		0.35	1.23			
	Ch: 10.8 to 40.8m		1	7.30		0.35	2.56			
	Ch: 40.8 to 42.1m		1	30.00		0.35	10.50			
	Ch: 42.1 to 51.1m		1	1.30		0.35	0.46			
	Road Gap		1	9.00						
	Ch: 0 to 14.5m									
	Cross Road 6, LHS From Mn Rd		1	14.50		0.35	5.08			
	Ch: 0 to 30m									
	Ch: 30 to 35m		1	30.00		0.35	10.50			
	Cross Road 6, RHS From Mn Rd		1	5.00		0.35	1.75			
	Ch: 0 to 30m									
	Ch: 30 to 35m		1	30.00		0.35	10.50			
	Gap		1	5.00		0.35	1.75			
	Ch: 0 to 21m									
			1	21.00		0.35	7.35			
						Present Qty	79.49	Sqm		
						Limitted To	79.10	Sqm	84.80	6707.68

Total	**12664039.69**
12% GST	**1519684.76**
4% KRIDL	**506561.59**
Grand Total	**14690286.04**

Contractor

PMC Gogoni

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

6/2/2020